

09/30/98

[FINAL]

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2.0 REMOVAL RESPONSE**2.2 Sampling and Analysis Data**

1. Letter from R. Steve Pierce, PRC Environmental Management Inc., to Steve Spurlin, EPA Region IV. Transmits Letter Report, prepared by Robert Hutcheson, discussing sampling activities in February 1996. (April 5, 1996).

2.4 Work Plans and Progress Reports

1. Cross Reference: "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume I," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (June 19, 1995). [Filed and cited in Entry Number 1 of 3. 4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports].
2. Cross Reference: "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume II," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (June 19, 1995). [Filed and cited in Entry Number 1 of 3. 4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports].

3.0 REMEDIAL INVESTIGATION (RI)**3.2 Sampling and Analysis Data**

1. Cross Reference: The SAMPLING & ANALYSIS PLAN, is Appendix A of the "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume I and Volume II," for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. Plan includes the Pace Laboratories Comprehensive Quality Assurance Plan (A-3). (June 19, 1995). [Filed and Cited as entry numbers 1 and 2 in 3.4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports].

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3.2 Sampling and Analysis Data (cont'd.)

2. Cross Reference: Letter from R. Steve Pierce, PRC Environmental Management Inc., to Steve Spurlin, EPA Region IV. Transmits Letter Report, prepared by Robert Hutcheson, discussing sampling activities in February 1996. (April 5, 1996). [Filed and cited in Entry Number 1 of 2. 2 REMOVAL RESPONSE - Sampling and Analysis Data].

3.3 Scopes of Work

1. Cross Reference: The SCOPE OF WORK FOR THE RI/FS, is an attachment to the Administrative Order On Consent which is Appendix D of the "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume II," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (DATE UNKNOWN) [Filed and Cited as entry number 2 in 3.0 REMEDIAL INVESTIGATION, 3.4 Work Plans and Progress Reports].

3.4 Work Plans and Progress Reports

1. "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume I," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (June 19, 1995).
2. "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume II," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (June 19, 1995).

3.7 Applicable or Relevant and Appropriate Requirements (ARARs)

1. Memorandum from Judy Sophianopoulos, EPA Region IV, to Sheri Panabaker, EPA Region IV. Discusses whether Land Disposal Restrictions (LDR) are applicable requirements (ARARs) at the Shuron Site. (January 15, 1997).

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3.8 Interim Deliverables

1. Cross Reference: The HEALTH & SAFETY PLAN, is Appendix B of the "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume II," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (June 19, 1995). [Filed and Cited as entry number 2 in 3.0 REMEDIAL INVESTIGATION, 3.4 Work Plans and Progress Reports].
2. Cross Reference: The QUALITY ASSURANCE PROJECT PLAN, is Appendix A-1 in the Sampling & Analysis Plan which is Appendix A of the "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume I and Volume II," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (June 19, 1995). [Filed and Cited as entry number 1 and 2 in 3.0 REMEDIAL INVESTIGATION, 3.4 Work Plans and Progress Reports].

3.10 Remedial Investigation (RI) Reports

1. Letter from Richard A. Haynes, South Carolina Department of Health and Environmental Control (SCDHEC), to Jan Rogers, EPA Region IV. Discusses Remedial Goal Option (RGO) for industrial lead. (November 19, 1996).
2. Cross Reference: Memorandum from Jennifer Herndon, EPA Region IV, to Sheri Panabaker, EPA Region IV. Comments on draft Feasibility Study. Includes discussion of biodegradation, natural attenuation, and groundwater. (November 25, 1996). [Filed and cited in Entry Number 1 of 4. 9 FEASIBILITY STUDY (FS) - Feasibility Study (FS) Reports].
3. Letter from Richard A. Haynes and Yanqing Mo, SCDHEC, to Sheri Panabaker, EPA Region IV. Comments on revised Remedial Investigation Report. (December 11, 1996).
4. Letter from Richard A. Haynes and Yanqing Mo, SCDHEC, to Sheri Panabaker, EPA Region IV. Approves Remedial Investigation as final; requests AR documentation of unaddressed comments. (December 31, 1996).

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3.10 Remedial Investigation (RI) Reports (cont'd.)

5. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Executive Summary, Section 1, Section 2, Section 3, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
6. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Section 4, Section 5, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
7. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Section 6, Section 7, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
8. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Section 8, Section 9, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
9. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Appendix A, Appendix B, Appendix C, Appendix D, Appendix E, Appendix F, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
10. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Appendix G, Book 1 of 3, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
11. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Appendix G, Book 2 of 3, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
12. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Appendix G, Book 3 of 3, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
13. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Appendix H, Appendix I, Appendix J, Appendix K, Appendix L, Appendix M, Appendix N, Appendix O, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).

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3.10 Remedial Investigation (RI) Reports (cont'd.)

14. "Shuron Site, Barnwell, South Carolina, Final Remedial Investigation Report, Appendix P, Appendix Q, Appendix R, Appendix S, Appendix T, Appendix U, Appendix V, January 1997, Document Number 6630-055-230," prepared by ENSR. (January 1997).
15. Letter from Sheri Panabaker, EPA Region IV, to Robert Brayley, Textron Inc.. Approves final Remedial Investigation (RI) Report. [NOTE: AT THE REQUEST OF THE REMEDIAL PROJECT MANAGER, THIS DOCUMENT HAS BEEN INSERTED PRIOR TO THE REMEDIAL INVESTIGATION (RI) REPORT]. (May 22, 1997).

3.11 Health Assessments

1. "Recommendations of the Technical Review Workgroup for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil", by the US EPA Technical Review Workgroup for Lead. (December 1996).
2. "Site Review and Update, Shuron Textron Incorporated, Barnwell, Barnwell County, South Carolina CERCLIS No. SCD003357589", prepared by the Agency for Toxic Substances and Disease Registry (ATSDR). (May 21, 1997).
3. Memorandum, from Kevin Kaporec, EPA Office of Technical Services, to Sheri Panabaker, EPA Region IV, conveying attached report "Recommendations of the Technical Review Workshop for Lead for an Interim Approach to Assessing Risks Associated with Adult Exposures to Lead in Soil". (May 30, 1997).

4.0 FEASIBILITY STUDY (FS)

4.1 Correspondence

1. Letter, from Thomas M. Boulware, City Attorney, Barnwell, South Carolina, to Sheri Panabaker, EPA Region IV, giving opinion on the remedial alternatives for the Shuron Site. (May 13, 1997).

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4.1 Correspondence (cont'd.)

2. Letter, from William A. Gripp, Barnwell County Administrator, to Sheri Panabaker, EPA Region IV, expressing a preference for the remedial alternatives for the Shuron Site, Barnwell, South Carolina. (May 20, 1997).

4.4 Work Plans and Progress Reports

1. Cross Reference: "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume I," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (June 19, 1995). [Filed and cited in Entry Number 1 of 3. 4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports].
2. Cross Reference: "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume II," prepared for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (June 19, 1995). [Filed and cited in Entry Number 1 of 3. 4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports].

4.7 Applicable or Relevant and Appropriate Requirements (ARARs)

1. Memorandum, from Judy Sophianopoulos, EPA Region IV, to Sheri Panabaker, EPA Region IV, clarifying requirements under the Resource Conservation and Recovery Act (RCRA) for characteristic wastes at the Shuron Site, Barnwell, South Carolina. (October 16, 1997).

4.9 Feasibility Study (FS) Reports

1. Memorandum from Jennifer Herndon, EPA Region IV, to Sheri Panabaker, EPA Region IV. Comments on draft Feasibility Study. Includes discussion of biodegradation, natural attenuation, and groundwater. (November 25, 1996).
2. "Final Feasibility Study Report", Shuron Site, Barnwell, South Carolina, Document Number 6630-077-200, prepared by ENSR. (April 9, 1997).

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4.9 Feasibility Study (FS) Reports (cont'd.)

3. Letter, from Sheri Panabaker, EPA Region IV, to Robert Brayley, Textron, Inc., regarding approval of the Final Feasibility (FS) Study Report for the Shuron Superfund Site, Barnwell, South Carolina. [NOTE: AT THE REQUEST OF THE REMEDIAL PROJECT MANAGER, THIS DOCUMENT HAS BEEN INSERTED PRIOR TO THE FINAL FEASIBILITY STUDY REPORT]. (May 22, 1997).
4. Letter, from Sheri L. Panabaker, EPA Region IV, to Robert Brayley, Textron Inc., transmitting "Review and Modeling Analysis of Feasibility Study Report, Remedial Alternative 3, Shuron Site", prepared by William N. O'Steen. (July 2, 1997).

4.10 Proposed Plans for Selected Remedial Action

1. Memorandum, from Craig Zeller, EPA Region IV, to Sheri Panabaker and Jan Rogers, EPA Region IV, reviewing the soil remedy costs set forth in the Proposed Plan for the Shuron Superfund Site, Barnwell, South Carolina. (May 1, 1997).
2. "United States Environmental Protection Agency Superfund Proposed Plan Fact Sheet Shuron Superfund Site, Barnwell, Barnwell County, South Carolina", prepared by EPA Region IV. (November 1997).
3. E-mail message, from Robert G. Stewart, EPA Region IV, to Sheri Panabaker, EPA Region IV, providing cost estimates for soil treatment at the Shuron Superfund Site, Barnwell, South Carolina. (November 3, 1997).

5.0 RECORD OF DECISION (ROD)

5.1 Correspondence

1. Cross-Reference: Letter from R. Lewis Shaw, South Carolina Dept. of Health and Environmental Control (SCDHEC), to John H. Hankinson, Jr., EPA Region IV, concurring with the remedy, except for the Remedial Goal for lead contaminated soils. (July 17, 1998). [Cited and filed as Appendix B to item no. 1 in 5.9 - RECORD OF DECISION (ROD) - Record of Decision (ROD)].

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5.2 Responsiveness Summaries

1. Cross-Reference: "Responsiveness Summary Shuron Site," compiled by EPA Region IV. (September 9, 1998). [Filed and cited as Appendix A to item no. 1 in 5.9 - RECORD OF DECISION (ROD) - Record of Decision (ROD)].

5.9 Record of Decision (ROD)

1. "Record of Decision Summary of Remedial Alternative Selection Shuron Superfund Site Barnwell, Barnwell County, South Carolina," prepared by EPA Region IV [with Appendices and Attachments]. (September 9, 1998).

10.0 ENFORCEMENT

10.11 EPA Administrative Orders

1. Cross Reference: The ADMINISTRATIVE ORDER ON CONSENT, for RI/FS and Removal Action, IN THE MATTER OF: Shuron Site, Barnwell, South Carolina, Textron Inc., Respondent, is Appendix D of the "Final Work Plan for Removal Action and Remedial Investigation/Feasibility Study, Shuron Site, Barnwell, South Carolina, Volume II," for Textron, Inc., by ENSR Consulting and Engineering and Geraghty & Miller, Inc. (November 21, 1994). [Filed and Cited as entry number 2 in 3.4 REMEDIAL INVESTIGATION (RI) - Work Plans and Progress Reports].

13.0 COMMUNITY RELATIONS

13.6 Community Relations Plans

1. "Community Involvement Plan, Shuron Superfund Site, Barnwell, Barnwell County, South Carolina", prepared by EPA Region IV. (April 3, 1995).

13.7 News Clippings and Press Releases

1. Cross-Reference: "U.S. Environmental Protection Agency Extends the Public Comment Period on the Proposed Cleanup Plan for the Shuron Site, Barnwell, Barnwell County, South Carolina," mailing prepared by EPA Region IV. (DATE UNKNOWN) [Cited and filed as Attachment B to item no 1 in 5.9 - RECORD OF DECISION (ROD) - Record of Decision (ROD)].

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13.7 News Clippings and Press Releases (cont'd.)

2. Press Release: United States Environmental Protection Agency, Environmental News, "EPA to Begin Cleanup of Hazardous Wastes at the Shuron/Texttron Site in Barnwell, South Carolina.". (April 11, 1994).
3. Cross-Reference: "U.S. Environmental Protection Agency Invites Public Comment on the Proposed Cleanup Plan for the Shuron Site, Barnwell, Barnwell County, South Carolina," newspaper notice prepared by EPA Region IV. (December 3, 1997). [Cited and filed as Attachment B to item no. 1 in 5.9 - RECORD OF DECISION (ROD) - Record of Decision (ROD)].
4. Cross-Reference: "U.S. Environmental Protection Agency Extends the Public Comment Period on the Proposed Cleanup Plan for the Shuron Site, Barnwell, Barnwell County, South Carolina," newspaper notice prepared by EPA Region IV. (January 21, 1998). [Cited and filed as Attachment B to item no. 1 in 5.9 - RECORD OF DECISION - Record of Decision (ROD)].

13.8 Public Meetings

1. "Agenda Shuron Superfund Site Proposed Plan Meeting," by EPA Region IV. (December 9, 1997).
2. Cross-Reference: Official Transcript of the Shuron Superfund Proposed Plan Meeting, held at the Barnwell County Council Chambers, Barnwell South Carolina, prepared by Alice D. Boni, Aiken Reporting Service, Inc. (December 9, 1997). [Cited and filed as Attachment D to item no. 1 in 5.9 - RECORD OF DECISION (ROD) - Record of Decision (ROD)].
3. Cross-Reference: Official Transcript of the Superfund Site Proposed Plan Meeting, held at the Barnwell County Council Chambers, Barnwell, South Carolina, prepared by Alice D. Boni, Aiken Reporting Service, Inc. (January 22, 1998). [Cited and filed as Attachment D to item no. 1 in 5.9 - RECORD OF DECISION (ROD) - Record of Decision (ROD)].

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13.8 Public Meetings (cont'd.)

4. Cross-Reference: Letter from Daniel H. Squire, Wilmer, Cutler & Pickering, to Sheri Panabaker, EPA Region IV, including Textron's comments on the Proposed Plan for the Shuron Superfund Site, Barnwell, Barnwell County, South Carolina. (February 3, 1998). [Cited and filed as Attachment C to item no. 1 in 5.9 - RECORD OF DECISION (ROD) - Record of Decision (ROD)].

13.9 Fact Sheets

1. "United States Environmental Protection Agency, Superfund Fact Sheet, Shuron Site, Barnwell, Barnwell County, South Carolina.". (February 1995).
2. Cross Reference: "United States Environmental Protection Agency Superfund Proposed Plan Fact Sheet, Shuron Superfund Site, Barnwell, Barnwell County, South Carolina," prepared by EPA Region IV. (November 1997). [Filed and Cited as entry no. 2 in 4.10 FEASIBILITY STUDY (FS) - Proposed Plans for Selected Remedial Action].
3. "U.S. Environmental Protection Agency Extends the Public Comment Period on the Proposed Cleanup Plan for the Shuron Site, Barnwell, Barnwell County, South Carolina," by EPA Region IV. (January 22, 1998).